



MCDOT NEWS

News from the Montgomery County Department of Transportation, Division of Highway Services

Shakespeare Boulevard and Observation Drive to be Resurfaced

Preparation Work Has Begun, Resurfacing to Begin the Week of August 17, 2011

INTRODUCTION

This newsletter is to inform you of the upcoming roadway resurfacing of Shakespeare Boulevard and Observation Drive (*Please refer to the map on the reverse side of this newsletter to view the proposed resurfacing areas*) and to describe the process. This system preservation project employs long term strategies to preserve and enhance the physical and operating conditions of the roadway system as it exists and will make the system serviceable for many years.

BACKGROUND

The Montgomery County Department of Transportation's (MCDOT) Division of Highway Services (DHS) maintains over 5,108 lane miles of streets and highways using various methods of routine maintenance, pavement restoration, and repaving depending on the level of pavement deterioration present. Most notably, crack seals, asphalt patching, micro resurfacing, and hot mix asphalt overlays are chief among pavement restoration options.

In 2008, MCDOT initiated a new Pavement Management System which included an inspection and complete inventory of all County roads, identifying and rating the condition of each.

MCDOT is now developing County-wide maintenance schedules based on both this objective rating system and budgetary parameters.

Initially, MCDOT will address surface distresses (i.e. cracks, spalls) using crack seals and patching as appropriate preparations for either resurfacing with the micro surfacing material or repaving with hot mix asphalt.

SCOPE OF PROJECT

You may have already noticed pavement patching work along these roadways. MCDOT has inspected,

rated, and evaluated these roadways and their current condition warrants pavement preservation by double-shot micro surfacing (two surface courses). This treatment is designed to preserve the structural integrity of the pavement while enhancing its aesthetic value as well.

Additionally, the micro surfacing material fills cracks and small voids and extends the life and serviceability of the pavement.

It should be noted that streets designated to receive micro resurfacing will be inspected and evaluated on a biannual basis and maintenance will be performed when warranted by pavement distress levels.

PROJECT WORK PLAN

Generally, the work will proceed as follows:

1. Conduct survey - MCDOT has identified areas of roadway in need of repair. This activity was completed earlier this year.



Typical patching paint markings

2. Full Depth Patching - The MCDOT pavement evaluation has determined that, prior to resurfacing, full depth asphalt patching of the pavement or other repairs may be necessary at selected locations. Full depth patching restores the pavement's structural integrity and capacity



Typical asphalt excavation operation

to support vehicle loads. This work activity usually takes around 1 to 2 weeks to complete.

3. Utility Adjustments - In most cases when micro surfacing, sewer and storm drain manholes, water valves and gas valves, and other underground utility access covers do not require adjustment to the finished grade of the material. However, any low utility covers may be raised to the existing level of the road surface.

4. Crack Sealing - An additional step may be necessary to seal large cracks that may not require full depth patching. A flexible filler material is injected into the cracks and sealed with a special tool. This work activity may have been completed earlier this year.

5. Replace lane markings - Lane markings will be restored where they existed prior to resurfacing shortly after the micro surfacing application.

MICRO PAVE

The final step in the resurfacing process is the application of the micro surfacing material. Generally, this step will follow the patching by several weeks. The micro overlay will cover the entire road surface. Shakespeare Boulevard and Observation Drive will receive two layers of micro surfacing. This will provide for a uniform appearance and surface texture. Again, micro surfacing will follow the patching by several weeks. A final sweeping, if needed, will remove any loose grit left behind from the micro surfacing material.



Micro surfacing application

Although some cracks may reappear after about a year, the underlying crack seals prevent water from penetrating through the roadway.

SCHEDULE

Most of the preparation work has been completed. Resurfacing will occur on or about August 17, 2011, and will take approximately 1-2 weeks to complete. Weather and operational requirements may affect the schedule.

All work will be scheduled between the hours of 7 am and 5 pm, Monday through Friday.

IMPACTS

Continuous traffic will be maintained at all times, although alternating one-way traffic patterns may be used periodically. However, minor traffic delays may be experienced as flaggers manually direct traffic safely through the construction zone. This project will necessitate temporary lane closures. Access to homes will be available at all times, however minor delays may be experienced as workers restrict traffic from the freshly applied material. Traffic may be restricted from driving on the freshly applied micro surface until it is fully cured, usually for 3-4 hours. Driving on the freshly applied micro surface will damage the material and may soil your vehicle. Orange traffic cones will be placed in the restricted lane.

Street repair, preparation and resurfacing work is generally characterized by some noise and dust. However, MCDOT will do its best to keep the site in good housekeeping order.

Thank you for your cooperation and patience as we work to improve the County infrastructure for residents and users.



MONTGOMERY COUNTY, MARYLAND

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAY SERVICES

100 EDISON PARK DRIVE, 4TH FLOOR, GAITHERSBURG, MD 20878

(240) 777-6000

www.montgomerycountymd.gov/MCDOT

KEEPING MONTGOMERY MOVING

MCDOT NEWS No. 2011.40

NOTICE OF SHAKESPEARE BOULEVARD AND OBSERVATION DRIVE RESURFACING PROJECT

SAFETY NOTICE

Please remember that while repair work is proceeding, construction vehicles will be moving around. Some materials may be stored in the area. Please use caution when walking or driving through the construction zone. Children may be attracted to the noise and machinery, so please keep them under supervision at all times, even after the work is completed for the day. Also, please follow the direction of flaggers and temporary signs and traffic control devices. We appreciate your patience and cooperation while we make these much needed improvements to the infrastructure.

CONTACTS

The resurfacing and repair work is managed by DHS personnel. Should you wish to contact us concerning the resurfacing and repair work in your community, please contact:

Project Manager: Martin P. Wurdeman 240-777-7649

Program Manager: Donald Noble 240-777-7601

Should your questions be of a more general nature, please contact Customer Service at 240-777-6000.

DHS Email: mcdot.highway@montgomerycountymd.gov

DHS Website:

<http://www.montgomerycountymd.gov/hwytmpl.asp?url=/content/dot/highway/index.asp>

On the map, click on the **Gaithersburg East Service Area**, where information is available describing the resurfacing process.

Project Map

